

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

MAR
8
1993

APPLICANT 93 MAY -5 PM 3:12
John P. Hancock and Ralph A. McClelland
FILING DATE 7 December 1992 GROUP 340
GROUP 340

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
WCD	FA	5,042,271	8/1991	Manz	62	473	
WCD	FB	07/579,779	Filed 9/1990	Hancock & McClelland ? v	62	292	
WCD	FC	4,903,499	2/1990	Merritt	62	149	
WCD	FD	2,511,967	6/1950	Campbell	183	83	
WCD	FE	3,811,291	5/1974	Schibbye	62	84	
WCD	FF	3,874,192	4/1975	Kato	62	473	
WCD	FG	3,978,685	9/1976	Taylor	62	471	
WCD	FH	4,537,038	8/1985	Alsenz, et al.	62	110	
WCD	FI	4,934,390	6/1990	Sapp	134	22.10	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
WCD	AL	2,056,646A	18 March 1991	United Kingdom	—	—	
WCD	AM	0,071,062	9 Feb 1983	European	—	—	
WCD	AN	0,313,079	26 April 1989	European	—	—	
	AO						
	AP						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	
	AS	
	AT	

EXAMINER

William C. Dohlin

DATE CONSIDERED

7-13-93

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

4878.0020

07/987,352

APPLICANT

John P. Hancock and Ralph A. McClelland #

FILING DATE

GROUP 340
7 December 1992

GROUP

3404

INFORMATION DISCLOSURE STATEMENT

See several sheets if necessary

MAR
8
1993

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
WCD	AA	4,261,178	4/1981	Cain	62	149	
WCD	AB	4,363,222	12/1982	Cain	62	292	
WCD	AC	4,364,236	12/1982	Lower	62	77	
WCD	AD	4,441,330	4/1984	Lower	62	149	
WCD	AE	4,523,897	6/1985	Lower	41	HAR 2 AM	
WCD	AF	4,688,388	8/1987	Lower	62	149	
WCD	AG	4,768,347	9/1988	Manz	62	149	
WCD	AH	4,798,055	1/1989	Murray	62	127	
WCD	AI	4,805,416	2/1989	Manz	62	292	
WCD	AJ	4,809,520	3/1989	Manz	62	292	
WCD	AK	4,878,356	11/1989	Punches	62	149	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES	NO	
	AL						
	AM						
	AN						
	AO						
	AP						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR		
	AS		
	AT		

EXAMINER

William C. Daenly

DATE CONSIDERED

7-12-93

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT

(see several sheets if necessary)

MAR
8
1992

APPLICANT: John P. Hancock and Ralph A. McClelland
 FILING DATE: 7 December 1992 GROUP: 340
 1992

3404

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
WES	BA 4,938,031	7/1990	Manz	62	145	
WES	BB 4,939,905	7/1990	Manz	62	77	
WES	BC 1,938,205	12/1933	Yeomans	62	292	
WES	BD 2,044,096	6/1936	Moran	210	150	
WES	BE 2,321,964	6/1943	Zieber	62	115	
WES	BF 2,341,429	2/1944	Elsey	62	170	
WES	BG 2,341,430	2/1944	Elsey	62	170	
WES	BH 2,865,442	12/1958	Halford	158	36.3	
WES	BI 2,577,598	12/1951	Zwickle	62	117	
WES	BJ 2,590,061	3/1952	Ash	62	7	
WES	BK 2,917,110	12/1959	Brohl	158	36	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
AL							
AM							
AN							
AO							
AP							

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

AR		
AS		
AT		

EXAMINER

William C. Dohle

DATE CONSIDERED

7-13-93

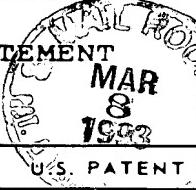
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

4878.0020

93 MAY - 5 PM 3:07/987,352

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)



APPLICANT

John P. Hancock and Ralph A. McClelland

FILING DATE

7 December 1992

GROUP 10

3404

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
WCD	CA	2,972,235	2/1961	B.D. Smith	62	84	
WCD	CB	2,986,894	6/1961	Endress, J.W.	62	85	
WCD	CC	3,177,680	4/1965	Rasovich, et al.	62	471	
WCD	CD	3,131,548	5/1964	Chubb, et al.	62	156	
WCD	CE	3,232,070	2/1966	Sparano	62	149	
WCD	CF	3,357,197	12/1967	Massengale	62	77	
WCD	CG	3,478,529	11/1969	Boykin	62	05	
WCD	CH	3,729,949	5/1973	Talbot	62	149	
WCD	CI	3,872,687	3/1975	Bottrum & Kozwski	62	243	
WCD	CJ	3,915,857	10/1975	Olson	710	62	
WCD	CK	4,110,998	9/1978	Owen	62	125	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES
	AL						
	AM						
	AN						
	AO						
	AP						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	
	AS	
	AT	

EXAMINER

William C. Deenly

DATE CONSIDERED

7-13-93

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

MAP
8
1993

4878,0020

93 MAY -5 PM

APPLICANT
John P. Hancock and Ralph A. McDaniel

FILING DATE

7 December 1992

SERIAL NO.

07/987,352

RECEIVED

OCT 19 1993

GPO 34040

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
WCD	DA	4,236,381	12/1980	Imral, et al.	62	324.1	
WCD	DB	4,285,206	8/1981	Koser	62	126	
WCD	DC	4,304,102	12/1981	Gray	62	195	
WCD	DD	4,456,149	6/1984	Sciortino	222	1	
WCD	DE	4,470,265	9/1984	Correla	62	77	
WCD	DF	4,476,688	10/1984	Goddard	62	149	
WCD	DG	4,480,446	11/1984	Margulefsky	62	474	
WCD	DH	4,513,578	4/1985	Proctor	62	149	
WCD	DI	RE32,451	7/1987	Proctor	62	149	
WCD	DJ	4,539,817	9/1985	Staggs	62	149	
WCD	DK	4,554,792	11/1985	Marguliefsky	62	77	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES
	AL						
	AM						
	AN						
	AO						
	AP						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR		
	AS		
	AT		

EXAMINER

William C. Dolan

DATE CONSIDERED

7-13-93

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

MAR
8
1993

ATTY. DOCKET NO.

4878.0020

SERIAL NO.

07/987,352

APPLICANT

John P. Hancock and Ralph A. McClelland

FILING DATE

93 MAY -5 PM

7 December 1992

GROUP

3:13404

U.S. PATENT DOCUMENTS

GROUP 340

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
WCD	EA	4,614,231	9/1986	Proctor	165	(53	
WCD	EB	4,624,112	11/1986	Proctor	62	149	
WCD	EC	4,646,527	3/1987	Taylor	62	85	
WCD	ED	4,776,733	8/1988	Scuderi	62	77	
WCD	EE	4,862,699	9/1989	Lounis	62	84	
WCD	EF	4,909,042	3/1990	Proctor	62	149	
WCD	EG	4,916,915	4/1990	Flinchbaugh	62	129	
WCD	EH	4,942,741	7/1990	Hancock & McClelland	62	272	
WCD	EI	RE33,212	5/1990	Lower	62	126	
WCD	EJ	5,036,675	8/1991	Anderson	62	85	
WCD	EK	5,005,375	4/1991	Manz, et al.	62	292	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

AR			
AS			
AT			

EXAMINER

William C. Dolan

DATE CONSIDERED

7-13-93

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.